

Ilya G

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Technical Skills

- Programming languages: Haskell, Idris, C++, Common Lisp, Racket
- Technologies: Git, Functional Programming, OOP, Metaprogramming, Blockchain
- FP features: Type families, GADTs, Type classes, Depended types
- Engineering and Mathematics: Cryptography, Algebraic geometry, Topology

Experience

Blockchain Haskell Developer
Enecuum inc., Saint Petersburg
(December 2017– June 2019)

- Implemented a Haskell library for working with hypergraph data structures [[github](#)]
- Implemented a crypto algorithms for blockchain architecture based on such concepts as elliptic curve cryptography, ElGamal encryption, end-to-end encryption
- Implemented a networks protocol based DAG technology [[github](#)]
- Researched a linear logic concept for implementing original smart contracts

Intern Researcher
Vavilov State Institute, Saint Petersburg
(June 2015 – September 2017)

- Research in quantum optics and holography
- Implemented a C++ specialized software package

Education

Master degree (2019-):
Higher School of Economy, Faculty of Mathematics

Bachelor degree (2018):
ITMO University, Computer Science